Innovation 2012: HS256S

DIGITTRADE

Highlights:

- 256 bit full disk hardware encrytion according to AES in CBC mode
- 2-factor authentication by smartcard and 8-digit PIN code
- Administration of the cryptographic key by the user

DIGITTRADE HS256S High Security external HDD

Professional solution for government and companies

The new external High Security HDD HS256S protects business and private data comprehensively and safety against unauthorized access. It was developed in accordance with the latest demands of the BSI (Federal Office for Information Security) to portable storage media.
In addition to the 256 bit AES hardware encryption in CBC mode and the 2-factor authentication using smartcard and PIN, the HS256S provides the possibility to administrate the cryptographic key, independent of computer or software on the hard disk.
The user is able to do the following things with the cryptographic key: create, change, copy and destroy at risk.

Security features:

- 256 bit full disk real time hardware encryption according to AES in CBC mode
- 2-factor authentication by smartcard and 8-digit PIN code
- AES Key stored separately from the HDD on smartcard (cannot be read out from enclosure or HDD)
- Administration of the cryptographic key by the user (create, change and destroy) and administrator (copy and initialize)

Technical features:

- no restrictions on read and write speed
- simple handling, maintenance und support free
- USB 1.1 / 2.0 & FireWire 100 / 200 / 400 / 800
- independent from operating system and bootable
- exclusive use of high quality HDD and the new DIGITTRADE D20 SSD with Sandforce Controller
- certified Smartcards NXP or Oberthur Cosmo
- capacities: 500GB and 1TB HDD / 120GB and 240GB SSD

Security certificate:

- Encryption chip FIPS-197 certified by NIST (The National Institute of Standards and Technology USA)
- Smartcard Oberthur Cosmo 64 v5.4D certified after FIPS 140-2 Level 3
- Smartcard NXP J3A081 v2.4.1 R3 certified after EAL 5 by BSI
- HS256S is in certification procedures by BSI

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